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1/8/05
826 (624)

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NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 JAN 27 Source of Registration (SR) information in REGISTRY updated and searchable
NEWS 4 JAN 27 A new search aid, the Company Name Thesaurus, available in CA/CAplus
NEWS 5 FEB 05 German (DE) application and patent publication number format changes
NEWS 6 MAR 03 MEDLINE and LMEDLINE reloaded
NEWS 7 MAR 03 MEDLINE file segment of TOXCENTER reloaded
NEWS 8 MAR 03 FRANCEPAT now available on STN
NEWS 9 MAR 29 Pharmaceutical Substances (PS) now available on STN
NEWS 10 MAR 29 WPIFV now available on STN
NEWS 11 MAR 29 New monthly current-awareness alert (SDI) frequency in RAPRA
NEWS 12 APR 26 PROMT: New display field available
NEWS 13 APR 26 IFIPAT/IFIUDB/IFICDB: New super search and display field available
NEWS 14 APR 26 LITALERT now available on STN
NEWS 15 APR 27 NLDB: New search and display fields available
NEWS 16 May 10 PROUSDDR now available on STN
NEWS 17 May 19 PROUSDDR: One FREE connect hour, per account, in both May and June 2004
NEWS 18 May 12 EXTEND option available in structure searching
NEWS 19 May 12 Polymer links for the POLYLINK command completed in REGISTRY
NEWS 20 May 17 FRFULL now available on STN
NEWS 21 May 27 STN User Update to be held June 7 and June 8 at the SLA 2004 Conference
NEWS 22 May 27 New UPM (Update Code Maximum) field for more efficient patent SDIs in CAplus
NEWS 23 May 27 CAplus super roles and document types searchable in REGISTRY
NEWS 24 May 27 Explore APOLLIT with free connect time in June 2004

NEWS EXPRESS MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 14 JUN 2004 HIGHEST RN 693217-50-4
DICTIONARY FILE UPDATES: 14 JUN 2004 HIGHEST RN 693217-50-4

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

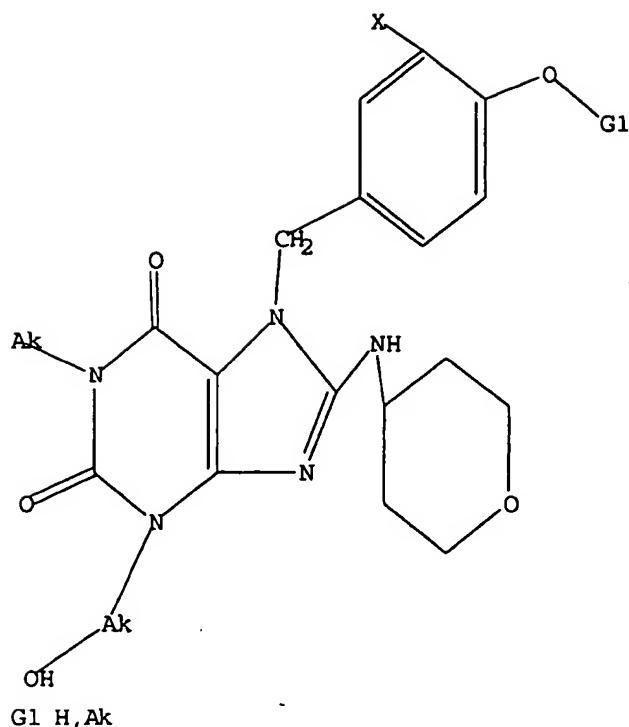
Crossover limits have been increased. See **HELP CROSSOVER** for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>
Uploading c:\program files\stnexp\queries\10777849.2

L1 STRUCTURE UPLOADED

=> d 11
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

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FULL SEARCH INITIATED 11:45:49 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 2175 TO ITERATE
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100.0% PROCESSED 2175 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.01
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```
L2 2 SEA SSS FUL L1
```

| | | |
|----------------------|------------|---------|
| => file caplus | SINCE FILE | TOTAL |
| COST IN U.S. DOLLARS | ENTRY | SESSION |
| FULL ESTIMATED COST | 155.42 | 155.63 |

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FILE 'CAPLUS' ENTERED AT 11:45:56 ON 15 JUN 2004
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FILE COVERS 1907 - 15 Jun 2004 VOL 140 ISS 25
 FILE LAST UPDATED: 14 Jun 2004 (20040614/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 12
 L3 1 L2

=> d 13 fbib hitstr abs total

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2002:240775 CAPLUS
 DN 136:263171
 TI Preparation of arylmethyl-1H-purine-2,6-diones as xanthine phosphodiesterase V inhibitors
 IN Chackalamannil, Samuel; Wang, Yuguang; Boyle, Craig D.; Stamford, Andrew W.
 PA Schering Corporation, USA
 SO PCT Int. Appl., 127 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|--|----------|------------------|----------|
| PI | WO 2002024698 | A1 | 20020328 | WO 2001-US28983 | 20010917 |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LU, LV, MA, MD, MG, MK, MN, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| | RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | |
| | | | | US 2000-233567PP | 20000919 |
| | US 2002169174 | A1 | 20021114 | US 2001-940760 | 20010828 |
| | | | | US 2000-233567PP | 20000919 |
| | AU 2001091022 | A5 | 20020402 | AU 2001-91022 | 20010917 |
| | | | | US 2000-233567PP | 20000919 |
| | | | | WO 2001-US28983W | 20010917 |
| | EP 1319003 | A1 | 20030618 | EP 2001-971092 | 20010917 |
| | R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | US 2000-233567PP | 20000919 |
| | | | | WO 2001-US28983W | 20010917 |
| | BR 2001013953 | A | 20030722 | BR 2001-13953 | 20010917 |
| | | | | US 2000-233567PP | 20000919 |
| | | | | WO 2001-US28983W | 20010917 |
| | JP 2004509892 | T2 | 20040402 | JP 2002-529108 | 20010917 |
| | | | | US 2000-233567PP | 20000919 |
| | | | | WO 2001-US28983W | 20010917 |

NO 2003001238 A 20030514 NO 2003-1238 20030318
 US 2000-233567PP 20000919
 WO 2001-US28983W 20010917

OS CASREACT 136:263171; MARPAT 136:263171

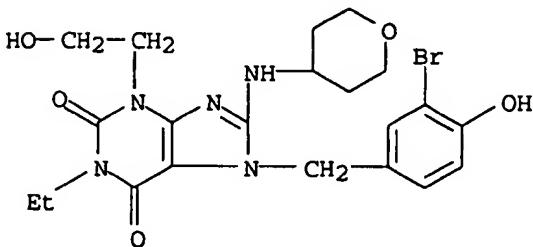
IT 405214-54-2P 405214-64-4P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of arylmethyl-1H-purine-2,6-diones as xanthine phosphodiesterase V inhibitors)

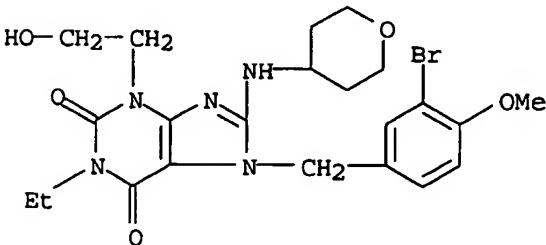
RN 405214-54-2 CAPLUS

CN 1H-Purine-2,6-dione, 7-[(3-bromo-4-hydroxyphenyl)methyl]-1-ethyl-3,7-dihydro-3-(2-hydroxyethyl)-8-[(tetrahydro-2H-pyran-4-yl)amino]- (9CI) (CA INDEX NAME)

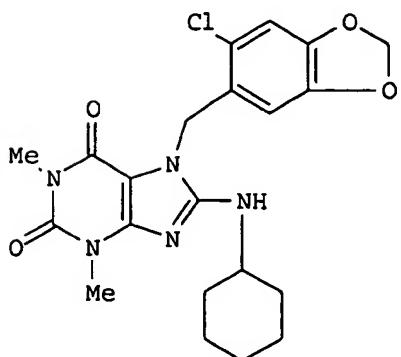
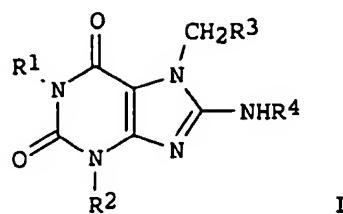


RN 405214-64-4 CAPLUS

CN 1H-Purine-2,6-dione, 7-[(3-bromo-4-methoxyphenyl)methyl]-1-ethyl-3,7-dihydro-3-(2-hydroxyethyl)-8-[(tetrahydro-2H-pyran-4-yl)amino]- (9CI) (CA INDEX NAME)



GI



AB Title compds. [I; R1, R2 independently = C1-15 alkyl, C2-15 alkenyl, C2-15 alkynyl, C3-15 cycloalkyl, heteroaryl, OH, CO2H, CHO, CONH2, H; R3 = aryl, heteroaryl; R4 = C3-15 cycloalkyl with or without one or more substituents, C3-15 cycloalkenyl, with or without one or more substituents, heterocycloalkyl of 3 to 15 members, with or without one or more substituents], enantiomers, stereoisomers, tautomers and/or prodrug are prepared as xanthine phosphodiesterase V inhibitors and are useful for treating male (erectile) and female sexual dysfunction and other physiol. disorders. Method for treating disorders including title compds. I and/or with nitrate donating pharmaceutical composition and comprising a prostanoïd, α -adrenergic receptor, dopamine receptor agonist, etc. Thus, the title compound II was prepared from bromothiophylline, 6-chloropiperonyl chloride, and cyclohexylamine in the presence of 1-methyl-2-pyrrolidinone (NMP) and diisopropylethylamine (DIPEA) in sealed tube ate 160°.

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

| => log y | | | |
|--|------------|---------|--|
| COST IN U.S. DOLLARS | SINCE FILE | TOTAL | |
| FULL ESTIMATED COST | ENTRY | SESSION | |
| | 5.63 | 161.26 | |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE | TOTAL | |
| CA SUBSCRIBER PRICE | ENTRY | SESSION | |
| | -0.69 | -0.69 | |

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